

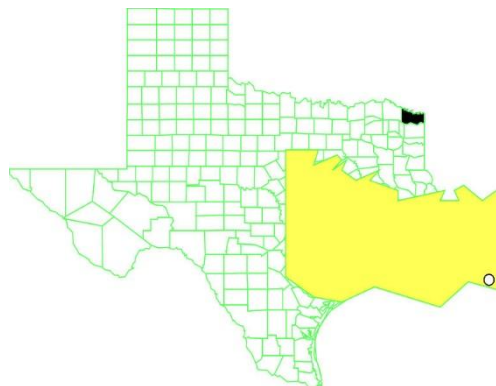
LONE STAR ARMY AMMUNITION PLANT

Texarkana, Bowie County, Texas

EPA Region 6
EPAID: TX7213821831
Site ID: 0603609
State Congressional District: 04

Contact: Stephen Tzhone (214) 665-8409

Updated: June 2014



Background

Location: The Site is located in Bowie County, approximately 12 miles west of Texarkana.

Population: The Site is located in a sparsely populated, rural area.

Setting: The site is approximately 17.4 acres and consists of the Old Demolition Area (ODA) located in a south-central area within the Lone Star Army Ammunition Plant (LSAAP) installation. The site was used for disposal of explosives by detonation.

Hydrology: The site is located within a surface water drainage basin of approximately 360 acres. Two intermittent drainages are located down gradient of the ODA and discharges to the confluence with East Fork Elliot Creek. East Fork Elliot Creek flows in a southerly direction for approximately 1.2 miles before exiting LSAAP; then flows 3.9 miles to the confluence with Wright Patman Lake (a recreational lake), about 5 miles south of the site.

Current Status

The site is currently in Operation & Maintenance with annual ground water monitoring.

The 2nd Five Year Review was completed on September 27, 2011, and can be found here:
<http://www.epa.gov/superfund/sites/fiveyear/f2011060004224.pdf>

The 1st Five Year Review was completed on August 31, 2006, and can be found here:
<http://www.epa.gov/superfund/sites/fiveyear/f2006060001451.pdf>

Benefits

The selected remedy will eliminate direct dermal exposure to source material, provide soil erosion control to prevent future superficial exposure of source materials, and minimize infiltration and resulting leaching of source material chemicals to groundwater.

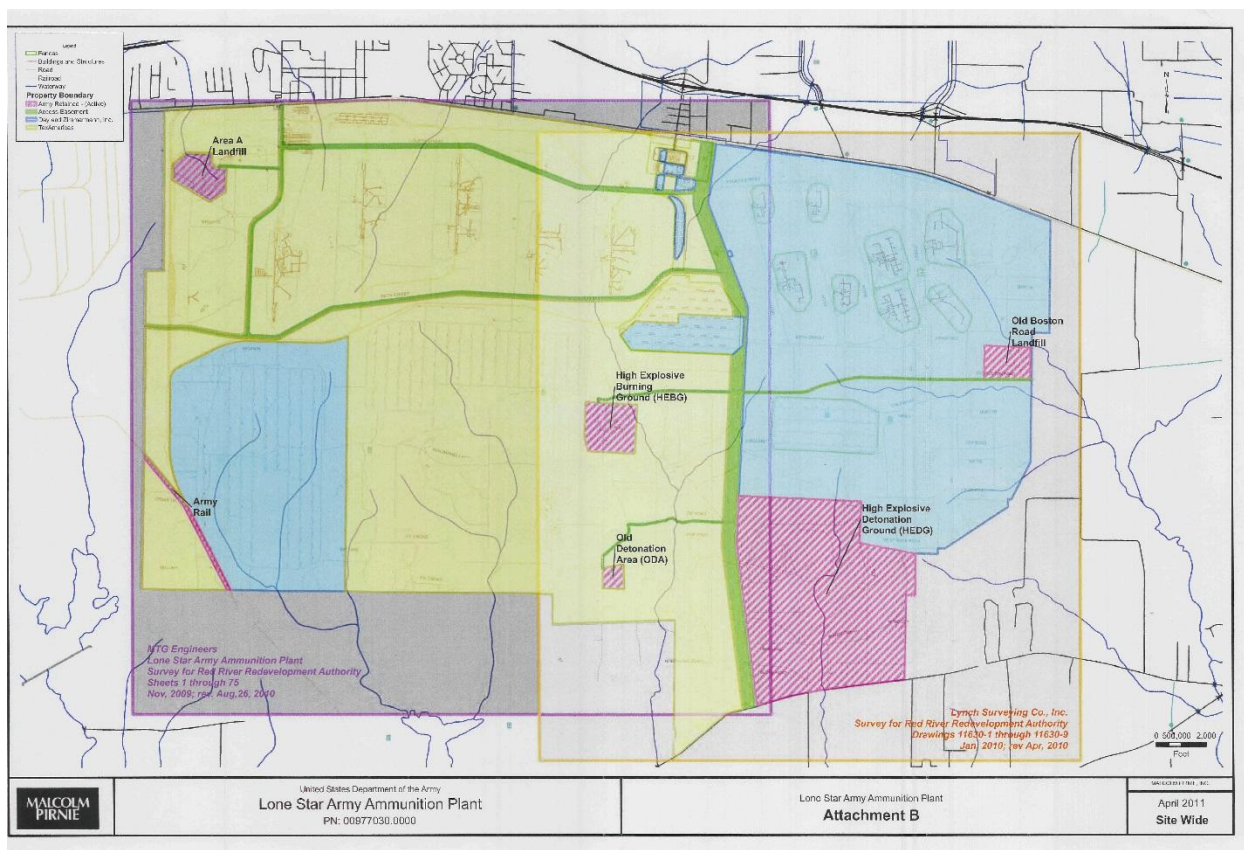
Formal evaluations of the effectiveness of the selected remedy will be performed at least every 5 years for as long as hazardous wastes continue to be contained on-site.

National Priorities Listing (NPL) History

Proposal Date: October 15, 1984
Final Listing Date: July 22, 1987

Additional information can be found here: <http://www.epa.gov/superfund/sites/npl/nar800.htm>

Site Map



Wastes and Volumes

The principal pollutants at the plant are Tetryl (an explosive) in the soil at concentrations up to six parts per million (ppm); mercury, 7.4 parts per billion (ppb); chromium, 537 ppb; and lead, 770 ppb in the ground water beneath the Site.

No documentation exists for estimation of waste volumes.

Health Considerations

The contaminants of concern include explosives and heavy metals, which have been detected in the soils and groundwater. Potential toxicity risks exist for via ingestion through direct contact with contaminated soils and groundwater. Safety risks exist via exposure to unexploded ordnance.

Human health and ecological risk minimization efforts are containment oriented. Annual monitoring shows that no contaminants of concern have migrated off-site.

Record of Decision (ROD)

The ROD was signed on August 31, 1999, and can be found here:

<http://www.epa.gov/superfund/sites/rods/fulltext/r0699165.pdf>

The selected remedy was containment, and included:

- Clearing surficially exposed source material
- Regrading, leveling, and placing a soil cover over the ODA
- Constructing erosion control berms along the northern and eastern ODA perimeters and within the site's interior
- Revegetating the soil cover and berms
- Implementing Institutional Controls: land use restrictions, access restrictions, posting of signs, fencing, and restrictions on the extraction and use of groundwater from the Study Area
- Installing additional monitoring wells (established as part of the groundwater monitoring program during the remedy design phase)
- Conducting periodic inspections of the soil cover, berms, and cable to identify any needed maintenance and performing maintenance
- Performing groundwater and surface water monitoring
- Evaluating the effectiveness of the selected remedy every 5 years

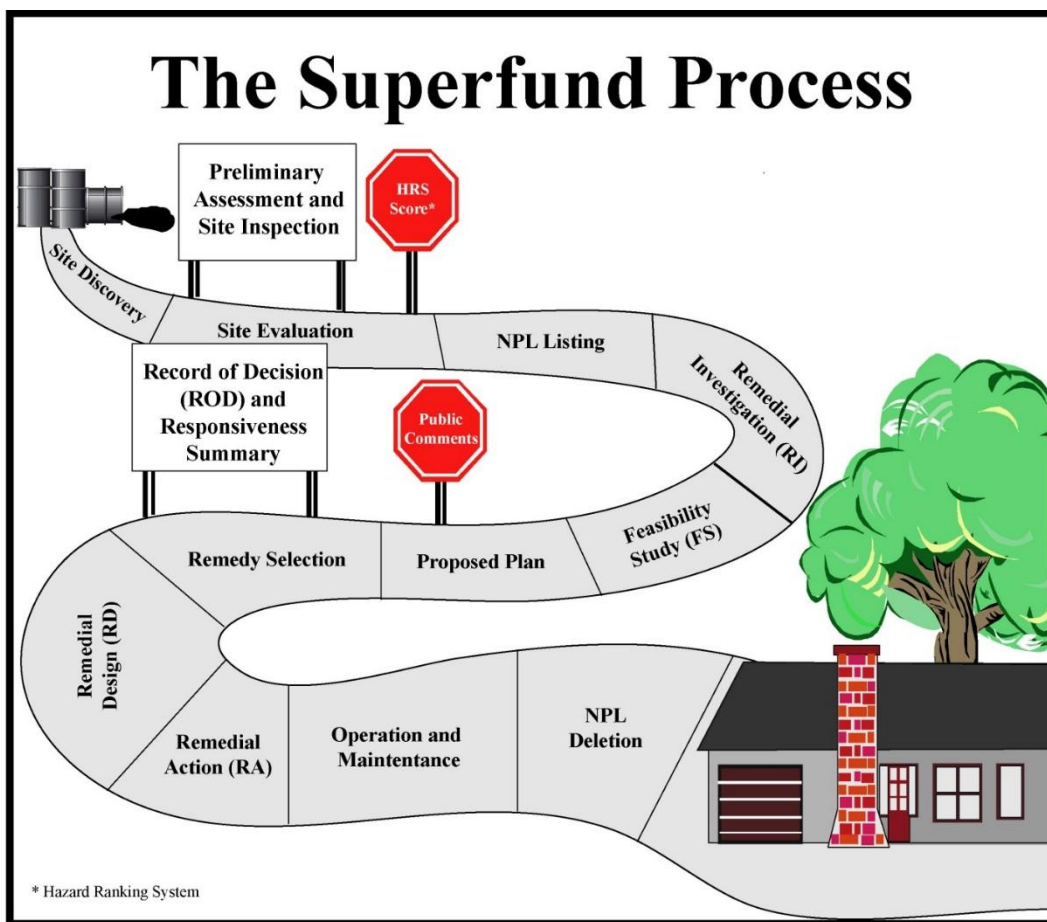
The appropriateness of the selected containment remedy was based on:

- The Army having continued control of LSAAP, and therefore, limited public access
- Land use at LSAAP remaining commercial/industrial
- The land remaining in control of the Army until LSAAP is closed completely as decreed by the Army Headquarters at Rock Island, IL

The Army, EPA, and the State of Texas agreed that should any of the listed land uses change, the ROD would be re-opened and the ODA risk assessment would be re-evaluated for appropriate receptors.

Community Involvement

The site is currently in the Operation and Maintenance stage.



Site Contacts

EPA Remedial Project Manager:	Stephen Tzhone	(214) 665-8409
Texas State Project Manager:	Scott Settemeyer	(512) 239-3429
Army Project Manager:	Webstar "Hank" Procter	(703) 545-2498

EPA Site Attorney:	George Malone	(214) 665-8030
EPA Regional Public Liaison:	Donn Walters	(214) 665-6483

EPA Toll Free Region 6 Superfund Information Hotline: (800) 533-3508

Information Repository:

- Texarkana Public Library: 600 W 3rd St., Texarkana, TX (903) 794-2149
- TCEQ, Building E, 121000 Park 35 Circle, Austin TX 78753 (512) 239-2900
- U.S. EPA, Region 6, 1445 Ross Avenue, Dallas, TX 75202 (214) 665-6444

EPA Region 6 Freedom of Information Act Online Request Form:

<http://www.epa.gov/region6/6md/foia/foiaform.htm>

EPA Region 6 Contact Us Online Request Form:

<http://www.epa.gov/region6/r6coment.htm>